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(71) Applicant: **NATL INST OF ADVANCED INDUSTRIAL SCIENCE & TECHNOLOGY METI**

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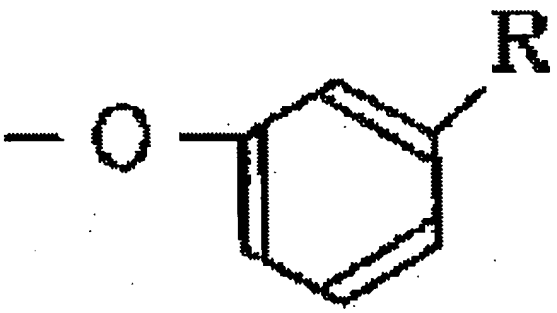
(54) **METHOD FOR PRODUCING O-GLYCOSIDE MOLECULAR AGGREGATE**

(57) Abstract:

PROBLEM TO BE SOLVED: To obtain a new reproducible molecular aggregate usable in a wide range producible from a readily obtainable raw material by a simple method.

SOLUTION: This fibrous O-glycoside molecular aggregate is produced by dissolving an O-glycoside comprising an aldose residue as a glycosyl group and a group of general formula (1) (R is a 12-18C aliphatic saturated or unsaturated straight-chain hydrocarbon group) as an aglycone in water at an elevated temperature up to a saturated concentration and then slowly cooling the aqueous solution to cause a molecular aggregation. This spherical O-glycoside molecular aggregate is produced by further heating the molecular aggregate and sphering the heated molecular aggregate. This crystal type O-glycoside molecular aggregate is produced by heating an O-glycoside comprising an aldose residue as a glycosyl group and a group of general formula (2) (R is a 12-18C aliphatic saturated or unsaturated straight-chain hydrocarbon group) as an aglycone in the absence of a solvent to cause a crystalline molecular aggregation.



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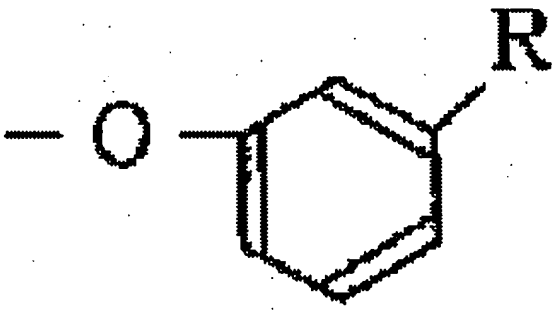

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